

In The Specification:

B1 [0057] An interposer extraction tool 170 has a piston assembly 171 that includes a piston 172 that has a grip handle 174 thereon. Piston [[174]] 172 is received within a handle 176 so that they move relative to each other. A pair of springs 178 and 180 bias the piston 172 upward. Grip handle Handle 176 has a pair of blades 182 attached thereto. Blades 182 have an end portion that are parallel to the plain plane of the interposer. Blades 182 are normally biased outward so that end portion 184 may be positioned parallel to and beneath the interposer 48. A cross-member 186 and pair of blocks 188 are fixed to piston 172. Blocks 188 are used to compress blades 182 to engage the interposer 48. Spring 180 is connected to a guide block 190 that is coupled to piston 172. Guide block 190 forms a channel [[192]] 191 therein. Channel [[192]] 191 is formed between fingers 194 extending downward from guide block 190. The fingers 194 and thus channel [[192]] 191 retain the interposer 48 after extraction. For extraction, two motions result. A downward motion of the piston [[188]] 172 closes the blades 182 between the bottom of the interposer 48 and the top of board mounted socket carrier [[48]] 72. Second, an upward motion of the grip handle 176 pulls the blades 182 upward forcing the interposer 48 to disengage from the board mounted socket carrier 72 and eventually lock against stop 192. The wedging of the interposer 48 against the stop 192 captures the interposer within the removal tool. Typically, the handle 174 of piston 172 will rest against the palm while the handle 176 is gripped by two fingers in the same hand.

[0058] Referring now to Figures 16, 17, 18, 19, and 20, a second embodiment of interposer extraction tool 170' is illustrated. Extraction tool 170' has a piston assembly 200 that has a grip handle 202 on a first end of a plunger 204. The second end of plunger 204 has a channel 206 coupled thereto. As illustrated, the second end of plunger 204 is threaded in to channel 206. Thus, as plunger moves, channel 206 moves accordingly. Channel 206 is similar to the channel described above in the previous embodiment. Piston assembly 200 also has a spring 207 thereon.

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[0059] Piston assembly 200 is slidably received within a handle assembly 209 that includes a handle 208, a sleeve 210, and a block 212. Spring 207 is coupled to plunger 204 between grip handle 202 and handle 208. Handle 208, sleeve 210, and block 212 move together and are guided by guide pins 214. Handle assembly 209 has blades 216 coupled to each side thereof. Blades 216 have a bump 218 that allows the blade to be biased inward as will be further described below. Blades 216 have a grip portion 220 that is used to grip the interposer therein.
